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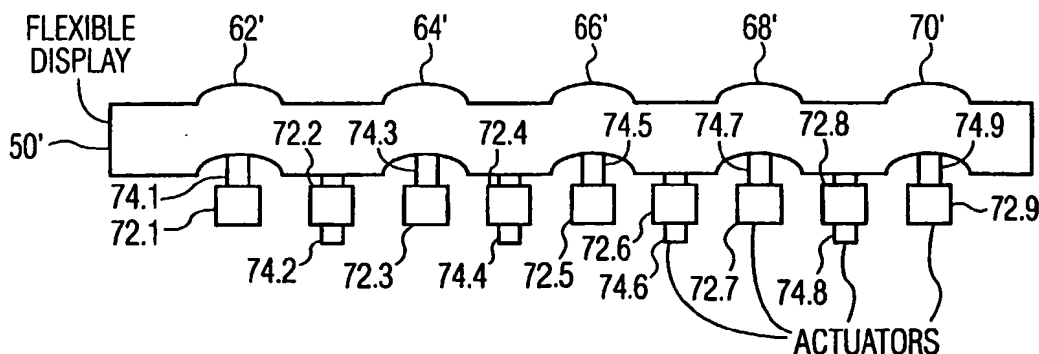
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(54) Title: GRAPHIC USER INTERFACE HAVING TOUCH DETECTABILITY



(57) Abstract: A control panel for a device which includes a graphical user interface (GUI) which displays several control icons that represent various control functions for the device. The control icons on the GUI have tactile detectability which is provided by either vibrotactile display, electrotactile display, or a combination of the two. A method of providing such a control panel is additionally disclosed.

# INTERNATIONAL SEARCH REPORT

International Application No.

IB 03/05499

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F3/00 G06F3/033 G06F3/00 G06F3/033

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 01/54109 A (IMMERSION CORP)  26 July 2001 (2001-07-26)  page 2, line 1 - page 3, line 12  Page 5, second paragraph  page 7, line 1 - page 10, line 21  page 11, line 24 - line 39  page 13, line 4 - page 20, line 8  figures 1-8  claims 1,3,6,11,16,21-32,37</p> <p style="text-align: center;">-----  -/-</p>	1-20



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2002/149561 A1 (SUGIMURA TOSHIKA ET AL) 17 October 2002 (2002-10-17)</p> <p>paragraph '0007!</p> <p>paragraph '0146! - paragraph '0149!</p> <p>paragraph '0156!</p> <p>paragraph '0165! - paragraph '0167!</p> <p>paragraph '0177!</p> <p>paragraph '0270! - paragraph '0275!</p> <p>paragraph '0412!</p> <p>paragraph '0353! - paragraph '0355!</p> <p>figures 1-3,12,16,23,38,39,59,60,81</p>	1-20
X	<p>US 5 717 423 A (PARKER DAVID N) 10 February 1998 (1998-02-10)</p> <p>column 2, line 32 - column 3, line 42</p> <p>column 5, line 13 - line 29</p> <p>column 6, line 40 - column 7, line 46</p> <p>column 11, line 61 - column 12, line 15</p> <p>column 15, line 48 - line 63</p> <p>figures 1-18</p>	1
A	<p>US 3 932 869 A (KANE GABRIEL) 13 January 1976 (1976-01-13)</p> <p>column 1, line 6 - line 43</p> <p>column 4, line 24 - line 30</p> <p>figures 8-10</p>	8,12
A	<p>US 5 186 629 A (ROHEN JAMES E) 16 February 1993 (1993-02-16)</p> <p>column 2, line 27 - line 52</p> <p>column 5, line 13 - line 21</p> <p>column 6, line 12 - line 38</p>	8,12
A	<p>EP 0 817 110 A (NOKIA MOBILE PHONES LTD) 7 January 1998 (1998-01-07)</p> <p>column 1, line 40 - column 2, line 54</p> <p>column 5, line 44 - line 54</p> <p>figures 1,2,5</p>	1,12
P,X	<p>EP 1 293 882 A (TRW AUTOMOTIVE ELECTRON &amp; COMP) 19 March 2003 (2003-03-19)</p> <p>paragraph '0001!</p> <p>paragraph '0004!</p> <p>paragraph '0006!</p> <p>paragraph '0009! - paragraph '0011!</p> <p>figures 1-4</p>	1,12

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